

Listing of claims

1-27 (cancelled)

28. (New) An energy storage device, comprising:

a case having an opening;

a rolled electrode assembly disposed within said case, said rolled electrode assembly including a positive electrode member, a negative electrode member, and one or more separator members separating said positive and negative electrode members, said electrode and separator members being stacked and wound to form a roll;

a cover disposed to cover said opening; and

a terminal connector made of a conductive material, said terminal connector having a base portion and a tab portion, said tab portion having two elongated portions forming a spring structure, and wherein said tab portion is inserted into said rolled electrode assembly and forms an electrical connection to said electrode assembly.

29. (New) The energy storage device of claim 28, wherein said terminal connector is made of metal or metal alloy.

30. (New) The energy storage device of claim 29, wherein said terminal connector is made of copper, copper alloy, or nickel.

31. (New) The energy storage device of claim 29, further comprising a terminal structure passing through a hole defined in said cover to form a terminal of said energy storage device, wherein said base portion of said terminal connector is mechanically and electrically connected to said terminal.

32. (New) The energy storage device of claim 28, wherein said electrode assembly further comprises a mandrel, wherein said electrode and separator members are

wound around said mandrel, wherein said mandrel is electrically connected to one of said electrode members, and wherein said terminal connector tab portion spring structure forms an electrical connection between said terminal connector and said mandrel.

33. (New) The energy storage device of claim 28, wherein said base portion includes a washer, and further including a fastener extending through said washer.